



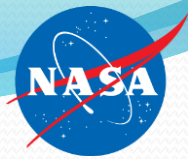
Explorers Program Overview

**Heliophysics 2019 MIDEX
Phase A Kickoff**

**Greg Frazier
Explorers Deputy Program Manager
October 7, 2020**



Explorers Program Overview (1 of 2)



- NASA's oldest, continuous program
 - Over 100 successful missions since 1958
 - Program Objective—Frequent flight opportunities for world-class scientific investigations
 - Uncoupled program of missions with unique science capabilities supporting heliophysics and astrophysics science goals
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Explorers Program Overview (2 of 2)



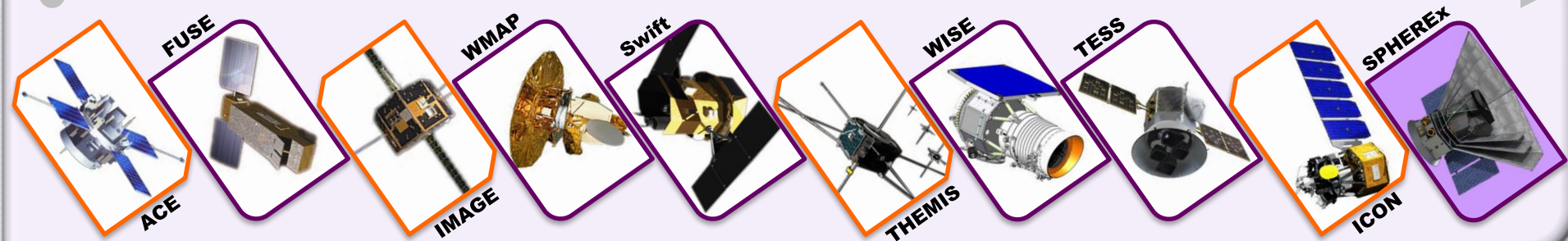
- Mission class characterized by size, schedule, and budget cost caps
 - MIDEX
 - SMEX
 - Mission of Opportunity
- Missions solicited through Announcement of Opportunity
- Missions developed in Principal Investigator mode
- Mission oversight provided by the Explorers Program Office at GSFC



Explorers Missions



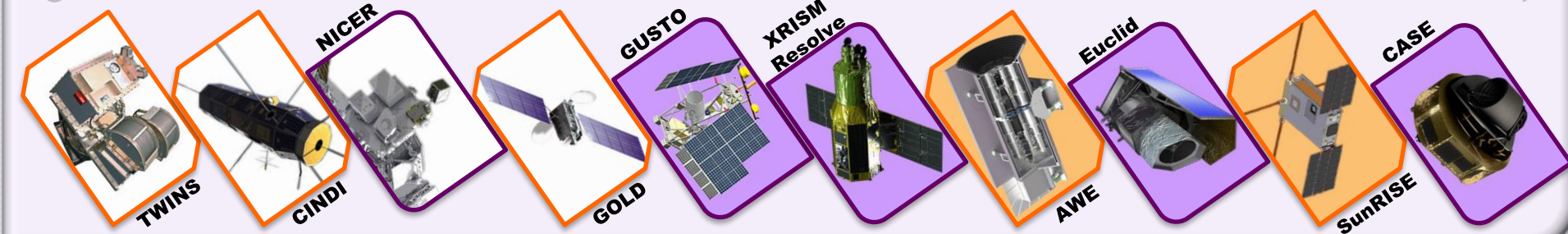
MIDEX



SMEX



UNEX • MO • INTERNATIONALS



 Astrophysics Missions

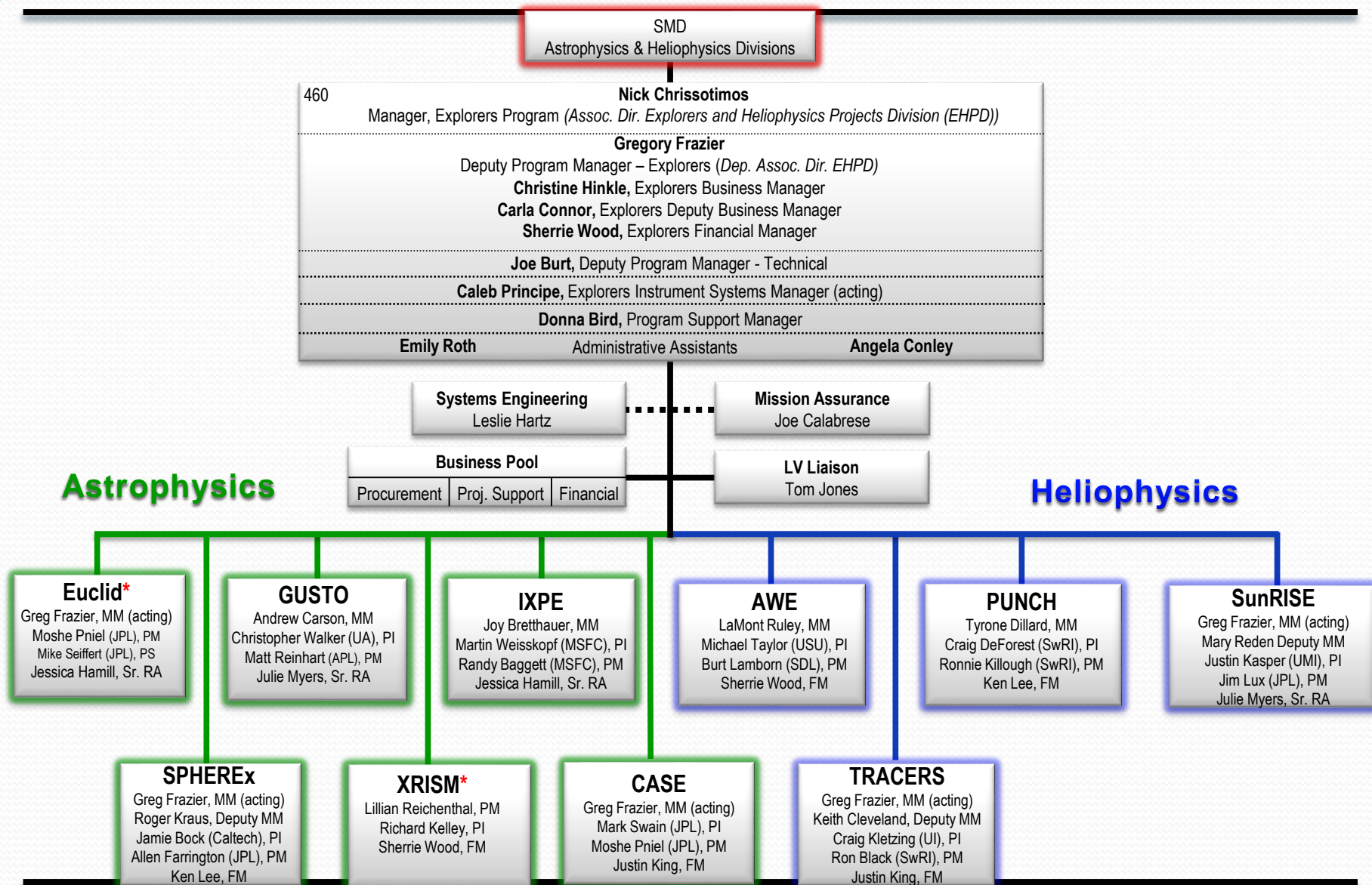
 Current Astrophysics Missions

 Heliophysics Missions

 Current Heliophysics Missions

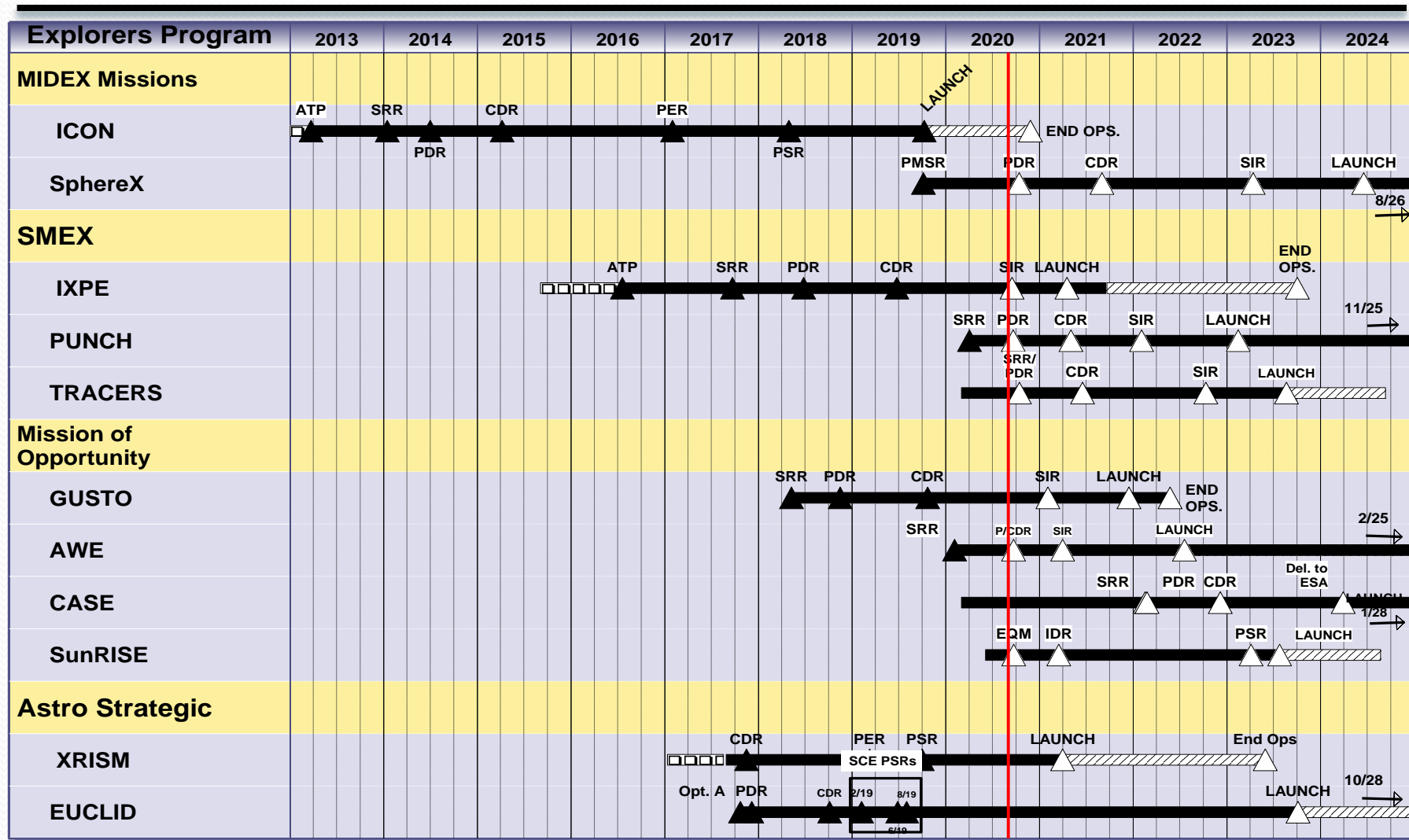


Explorers Program Organization Chart





Explorers Program Master Schedule



— Development

□□□□□□ Study/PreForm/AO

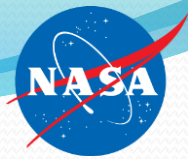
▨ Prime Mission

□□□□□□ Formulation

▨ Data Analysis



Mission Development Responsibilities



- **NASA responsibility**
 - Program administration
 - Insight/oversight
 - Project review process (SRB and KDP)
 - Technical authority
 - Launch vehicle procurement
 - **PI responsibility**
 - Level-1 science requirements
 - Mission implementation
 - Technical, cost, and schedule performance
 - Safety and mission assurance
 - Internal review process (element and peer)
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